







Their measure of fuel is minutes!

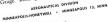
When unforeseen weather or other flight conditions keep a plane in the air longer than planned, its fuel gauge becomes a mighty important instrument. Fuel gauges that read either "too much" or "not enough" become extra weight - dangerous weight. But a fuel gauge that's really dependable can be counted on to help insure the safe arrival of crew, passengers and cargo.

That's why the aircraft types shown here - plus 24 others - are now equipped with individual adaptations of the Honeywell Electronic Fuel Gauge. Reading this

wonderfully precise instrument, the pilot or flight engineer can accurately determine down to a very few minutes how much "flying time" is left in the tanks. You see, it measures by weight rather than by volume, is unaffected by the attitude, altitude or motion of the plane.

This is only one of many Honeywell products now in use by the aviation industry. We expect the list to grow longer in future years. Because automatic controls are so important to aviation progress. And Honeywell has been the leader in controls for more than 60 years.

AERONAUTICAL DIVISION











B.F.Goodrich



New kind of tire outwears all others in airline tests

Augusta who have used a new B. F. abbed green

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AIRCRAFT CONTROLS

There's almost no "constructional etentele' In Roebling Aircord



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Aviation Week

Volume 55

Headline News strory or Manufale & Table Dong Says Torqual A-Wespens Hore.

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Both the R 500 and the R-500 X are most for transmission of 1/5 by at 1,000 ppc. All models are labelcond for life and made with briefered gens, estimation beausigs, thereboth and and Enged and mountage with unitral piloss See IAS Astronomical Camber for Downston



SIDELIGHTS

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VEXERS VEF-RAIL—Type 50. Videm Supermone's latest count lighter in powered to two Rob Roses Avens. Vor dear way too designated, large believedge days





Plane Pictures In the News



UNATION WEEK, Gender 22, 75



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Intelligence or Charging, Chica. Williad R. Blerkwood, retring account Alem P. Adiana has been elected vice repulsed of the American World Administra

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Honore and Additions

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starmbled at Lockland, Okio, home plant for the new stores engine.

* United Auto Worker' regard that the Discotness of Labor rues have the current misseum at \$1.05) has been treatilish rejected within the department of least for the trace being

* First working application of the Bell X-L among an except test plans

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* Dur of the sinde-solve round referber output for B-16 and B-50

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Washington Roundup

Wilson vs. Sawyer

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· Office of Deferer Mobilistics is folious to stee as

AVIATION WEEK VOL 55 NO 13

AF Reveals Shifts in Aircraft Schedules

Fighter schedule being switched from Republic to North American due to lack of forgings, engines.

Other changes, mostly minor, to be disclosed to manufacturers soon in Washington meeting.

But AF undersecretaries say in interviews that no drastic revisions are needed in current program. cent is a few solutionly mitter sextuners.

Non-176 All month annium orbit. Author, eshabilar percently contenalra involving suspendides at two plants. plated, without further moreove in be undied out to the heads of marriet . When Treable-Cleater evoluted Two of the nation's top Subtra per- Design specifications of the P'54F call take the place of the menturer Bengly.

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Production Blocks

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acceptable? Novy View It's Definite Now: CAA Takes a Slash Shirp entrachment of Ovil Aven

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Commercial whose testings is put noughly for number your Coursess







SLADES of the I-C engine mid-fire consumer would be useful by



NACA Shows Cooler Blades for Hot Jets

^e Higher operating temperatures in let engines give more power, but require metals that are scoree-

· Now research has resulted in ways to cool turbine blades. Use birth temperatures with available metals. By Alexander Volumby blodes by granture takes bound was

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The Flying Red Horse Flew with them All

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AERONAUTICAL ENGINEERING

Space Flight Talk Gets Down-to-Earth

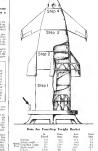
 Salantists at Landon orrect it's time to start translating theories Into practice. And they also think it can

be done fairly soon-by a civilian occanization. The world's exciton accentate ere tal-

Special Report

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Denet and A. G. Holey, and Pacific Rocket Society's E. Y. Severy

4. Nuclear Power

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5. Civilian Effort

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3. Return Technique F Those Step Rocket-315; K. W. Car.

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2. Freighter Scheme As techniques progress, so exhetal space-station will be experied for ap-

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3. Detail Design Two seconds desired to the same speciation mer difer welch in arr.

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The Well Tempered Aircraft-II

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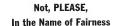
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Our national Office of Economic Stabibenefit of such clauses. Denial of them might livetion has adopted a policy of rearing mean serious stakes. warrs to the cost of living. We are told Sectified "in Eniropse" that "escalator elesses," which resude that

of changes in the cost of living, will be son-If the adveton of this policy had been announced as a frank concession to political expediency, it would have been quite understandable. There was very well be votes, lots of them, in a policy which purports to protect the income of a large group assenst loss through the price reflation countd by the defense program.

andly arenwood

rates of pay shall be adjusted to take account

A core wish; even have been made for a policy of approxing reculstor classes on exceeds of production expediency. The leaders of some three million organized workers now covered by such classes have indicated that they would fight to the limit to keep them and thus maintain "real warrs," that us wares measured by their purchasing nower. The leaders of other organized groups have indicated they would fight to get the

However, the police of appropriate excelutor

clauses was not based on these relatively low enough of excediency. It was justified on high moral grounds, on grounds of "hismost." In the words of the President's Council of wages during inflation cannot in fairness be

That preposition is false. If would be truthful to say "main-

tenance of real waxes during inflation cannot in fairness be allowed." The tests of the corrected aconosition besome midner immediately when over taken a look at the begic nature of the inflationary

problem created by defense mobilisation. national production to defense. The share is near scheduled to bit about 20% in 1952. Since we use not able to increase our total

production fast enough to meet defense needs



so addition to enclus mode, that means a cut in the supply of goods and strates that is ovallable for explore consumption. But the menor and set for the production of defense materials is added to that which is available to how eighter mode

Thus, more money is put into the hands of the people to how less made. So prices on up. That is inflation If one group of people then is eranted

encesh additional meney to offset the orice incresors - and that is the purpose of an escalator clause-- and thus can continue to along, less mods will be left for other consumers who are not neiting this advantage. merifices necessitated by defense mobilizaturn. In facrouse, therefore, maintenance of real wates in inflation cannot be allowed. Occasional workers were not the first of

of a nation that presumes to assert the moral adjustment to take account of the increased leadership of the Western World. cost of lawner. The farmers stell there first. The price parity formula is, in essence, an escalater clause. The federal revenuent underwrites increases in the prices of the threes formers sell as order to match increases in

the prices of the things they buy. Crarifying the Heinless

As matters stand, two groups are without benefit of escalator clauses. One group is composed of manufacturing fema. While they have not been nearly as successful profits" surrout, they have been able to look ofter thereaeless fasely well - thus for

But one group is completely without protection. It is that numerically large but politically uncovariated mean of people many of them old and relatively heledonwho see trying to live on pensions, annuities and other fixed meanes derived from their syrrow. They are at the end of the line when the increased costs of inflation are pessed slow. They have no one to whom they can pass the buck. They are being progressively namerized by the continuing inflation caused

in Washington, protection for the principal. victims of inflation - those who have saved for a raine day only to find inflation has blown sway the roof-is obviously an extremely difficult husiness. But to have even temporary insulation against inflation granted to powerful groups in the name of farmers should be offersion to the rentrile

The only really fair way to handle inflation is to prevent it. But once it is under way, fairness demands that the burdens he as evenly distributed as

neartheable. An escalator classe --- or a farm parity neovision - in evaluable a device to enable the group favored by it to eacage the burden of inflation. Whatever concessions we feel we must make to political pressures or production excediency. let us at least he hence enough not to invoke "fairness" as justification for so arbitrary a degrationation in the distribution of the defense bunden

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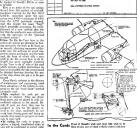
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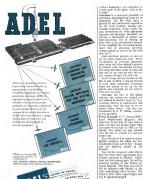
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ATATION WEEK, October 22, 1951

LETTERS

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KENNEYS CRANKS, Manage

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More on H-2 From ALPA

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EDITORIAL

Those 'Fantastic' Weapons devised a paragon for endour war quickly. He said it this way, in a speech in San Francisco Scot, 4 before a Democratic Party concluyer "It is fautustic when cm hausen with the use of the new warsons that me now upder construction in this country, not only the one which we all four the most, but there are none wereous

which me fratutio in their operation. I hope we will mbere." But such a satellite at far away. It is not-us.

Undersiably, prospers has been made and a still betan unde, but there is nothing now in mindle medication

that justifies the description. "Yantastic." It sounds his battery repenting cheld. There was a sender wave of spenie speculation to 1990. An editorial "It's time for mother warning on missies. The mable a being disservoidy maind by the continuing definite of fators, relocity feners and impressive heights. The evacell public innermon from this mobility, burner server

to be that aughbutton window is normal the course." At Shortly afterward, the enumers K. T. Kelley was scoregree. Keller has done a streak tob and will seen \$100 million on manifes, we not one renductive model In July, 1950, we weighted out that we still did not home one intercontinguated regardly weapon. This is still true

on the 1 Stiffered class. This is still true. In 1955 we did not have in home my consentrated or service-adopted mittales of any type or stage. Here we opposently have made progress of some kind. art on anomhere in this country ready to have away at tweeten. Whetever is in construction of the Mutakey troe-which is usually a let-propelled alcolone with owner. beck wines and no calco-certainly does not stond on to-Mr. Transan's label of "fantagie"

All of this is fact. It is not protection of those who are workess diffuses to us that setd. Actually, irresponsme and lovel every. But they know but of all there are

Doing the Impossible, Ouicker feetuing gets most of the acclara. It deserves obesty But the airkines are doing a lot of the "supossable," too-

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Allison Turbo-Prop Engines Power 3 New Cargo Planes –

- * The Lockheed XC-130
 - * The Douglas R6D
 - * The Lockheed R70

While testing continues with the first U.S. Turbine Transport—the Allison Turbo-Liner, built by Convair—military contracts have been awarded for the installation of Allison Turbo-Prop engines in three additional types of transport aircraft.

★ The Lockheed XC-130 — a U.S.A.F four engine medium cargo plane—is the first military transport ever designed originally around Turbo-Prop power. It won U.S.A.F. design competition over five other makes and the selection of Allison engines represents another first for Allison in the development of turbine transports in this country.

★ The new Navy-sponsored R6D is a modified configuration of the world-famous Douglas DC6A Liftmaster.

★ The Navy R7O is the new turbine version of the Lockheed Super Constellation.

Allison Turbo-Prop engines were selected for all three aircraft because they develop more power with less than half the weight of present engines in this power class.



